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Subject: ?More Horn Questions?

Posted by [Cuppa Joe](#) on Sun, 15 Apr 2007 23:03:47 GMT

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Beating the proverbial dead horse, I was hoping to revisit a previous topic for further clarification. In an earlier posting, I mentioned three front-loaded midbass/midrange horns in which the horizontal flare had dual-angle conical sections with the break being about halfway down the horn. The inner flare, beginning at the throat, was usually half the coverage angle of the outer flare, terminating at the mouth. Those were the Peavey MB-2, the Speakerplans MT-122, and the Speakerstore Hoorn (10"/1"). It was concluded that the horn type was a crude approximation of some kind of curved flare. So, here come the Q's, and anyone's input is appreciated! 1.) What type of curved flare is being approximated? 2.) What can be expected for a response as compared to a conical horn, given the same driver, and the same throat and mouth areas? That is, what general response variations might arise in one horn as compared to the other? 3.) Does the outer section of the flare alone determine the horizontal coverage pattern? Or, does the soundwave tend to obey the horn's "curve" instead (within its passband, of course)?

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